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A.D. 1720 . . . . . N° 430.

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P A T E N T

OF

JOHN THEOPHILUS DESAGULIERS,  
DANIEL NIBLET, AND WILLIAM VREEM.

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HEATING BY STEAM FOR VARIOUS  
MANUFACTURING PURPOSES.

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DESAGULIER, NIBLETT, AND VREEM'S PATENT.

GEORGE, by the grace of God, &c., to all to whom these presents shall come, greeting.

WHEREAS our trusty and welbeloved JOHN THEOPHILUS DESAGULIERS, Doctor of Laws, DANIEL NIBLET, Coppersmith, and WILLIAM VREEM, Instrument Maker, have, by their petition, humbly represented unto vs, that they, by their great expence, labour, and study, found out a new Invention  
5 "FOR MAKING THE STEAM AND VAPOUR OF BOYLING LIQUORS VSEFULL FOR MANY PURPOSES, AND PARTICULARLY FOR DRYING MALT, HOPS, STARCH, AND OTHER HUMID SUBSTANCES, AND FOR BAKING, BREWING, DISTILLING, BOILING, AND  
10 MAKING OF SALT, BETTER AND WITH A LESS QUANTITY OF FIRE, WITHOUT MIXING THE FIERY PARTICLES WITH THE SEVERAL SUBSTANCES SO MUCH AS IN THE WAYS CŌMONLY VSED, BY WHICH INVENÇON SEVERAL WORKS MAY BE EFFECTED WITHOUT DANGER, SUCH AS DRYING GUNPOWDER, BOYLING PITCH, TARR, OILS, VARNISHES, WAX, TALLOW, SUGAR, AND EXTRACTING SPIRITS FROM TURPENTINE AND OTHER  
15 INFLAMABLE LIQUORS, WHICH, ACCORDING TO THE COMMON WAY, ARE APT TO SET HOUSES ON FIRE, AND OFTEN PROVE OF VERY BAD CONSEQUENCE IN GREAT CITIES;" and humbly praying vs to grant them, the said John Theophilus Desaguliers, Daniel Niblet, and William Vreem, our Royall Letters Patent for the sole vse and benefit of the said Invençon for the space of fourteen yeares, according  
20 to the Statute in that case made and provided.

NOW KNOW YEE, that wee, being willing to give encouragement to all arts and invençons which may be of publick vse and benefit, of our especial grace, certain knowledge, and meer moçon, have given and granted, and by



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these presents, for vs, our heires and successors, do give and grant vnto the said John Theophilus Desaguliers, Daniel Niblet, and William Vreem, their and every of their executors, administrators, and assignes, especial lycence, full power, sole priviledge and authority, that they, the said John Theophilus Desaguliers, Daniel Niblet, and William Vreem, their and every of their 5 executors, administrators, and assignes, and every of them, by himselfe and themselves, or by his or their deputy or deputys, servants or agents, or such others as they, the said John Theophilus Desaguliers, Daniel Niblet, and William Vreem, their executors, administrators, or assignes, shall at any time agree with, and no others, from time to time and at all times during the term of yeares 10 herein expressed, shall and lawfully may exercise, work, vse, and enjoy, within that part of our kingdom of Great Britain called England, our dominion of Wales, and town of Berwick-vpon-Tweed, the said new Invençon for making the steam and vapour of boiling liquors vsefull for the purposes aforesaid, as above described, and that they, the said John Theophilus Desaguliers, Daniel Niblet, 15 and William Vreem, their and every of their executors, administrators, and assignes, shall and may have and enjoy the whole profit, benefit, cōmodity, and advantage from time to time coming, growing, accrewing, and arising by reason of the said Invençon, for and during the full term of years herein mentioned, to have, hold, exercise, and enjoy the said lycence, powers, priviledges, 20 and advantages herein-before granted, or mentioned to be granted, vnto the said John Theophilus Desaguliers, Daniel Niblet, and William Vreem, their and every of their executors, administrators, and assignes, for and during and vnto the full end and term of fourteen yeares from the day of the date of these presents next and immediately ensuing, and fully to be compleat and ended 25 according to the statute in such case made and provided; and to the end that the said John Theophilus Desaguliers, Daniel Niblet, and William Vreem, their and every of their executors, administrators, and assignes, may have and enjoy the full benefit, and sole vse and exercise of the said Invençon, according to our gracious intençon herein-before declared, wee do 30 by these presents, for vs, our heires and successors, require and strictly cōmand all and every person and persons, bodies politick and corporate, and all other our subiect<sup>e</sup> whatsoever, of what estate, quality and degree, name or condiçon soever they be, within that part of our said kingdom of Great Britain called England, our dominion of Wales, and town of Berwick-vpon-Tweed, that 35 neither they nor any of them, at any time during the continuance of the said term of fourteen years hereby granted, either directly or indirectly, do make, vse, or put in practice the said Invençon, or any part of the same so attained vnto by the said John Theophilus Desaguliers, Daniel Niblet, and William



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Vreem, as aforesaid, nor shall in anywise counterfeit, imitate, or resemble the same, nor shall make or cause to be made any addition thereunto or subtraction from the same, whereby to pretend himself or themselves the inventor or inventors, deviser or devisors thereof, without the licence, consent, or  
5 agreeent of the said John Theophilus Desaguliers, Daniel Niblet, and William Vreem, their executors, administrators, or assignes, in writing vnder their hand<sup>e</sup> and seales first had and obtained in that behalfe, vpon such pains and penalties as can or may be iustly inflicted on such offenders, for their contempt of this our royal cōmand, and further, to be answerable to the said John  
10 Theophilus Desaguliers, Daniel Niblet, and William Vreem, their executors, administrators, and assignes, and every of them, according to law, for their damages thereby occasioned; and moreover, wee do by these presents, for vs, our heires and successors, will and cōmand all and singular our justices of the peace, mayors, sheriffs, bayliffs, constables, headboroughs, and all other officers  
15 and ministers whatsoever of vs, our heires and successors, for the time being, that they or any of them do not, nor shall at any time hereafter during the said term hereby granted, in anywise molest, trouble, or hinder the said John Theophilus Desaguliers, Daniel Niblet, and William Vreem, their or any of their executors, administrators, or assignes, or any of them, their or any of  
20 their deputies, servants, or agents, in or about the due and lawfull making vse or exercise of the aforesaid Inven<sup>ç</sup>on, or any thing thereto; provided always, and these our Letters Patents are and shall be vpon this condition, that if at any time during the said term hereby granted, it shall be made appear to vs, our heires or successors, or any six or more of our or their  
25 Privy Councill, that this our grant is contrary to law, or preiudicial or inconvenient to our subiects in generall, or that the said Inven<sup>ç</sup>on is not a new inven<sup>ç</sup>on as to the publick vse or exercise thereof within that part of our said kingdom of Great Britain called England, our dominion of Wales, and town of Berwick-vpon-Tweed, or not invented or found out by the said John  
30 Theophilus Desaguliers, Daniel Niblet, and William Vreem, some or one of them as aforesaid, then, vpon significa<sup>ç</sup>on and declaration thereof, to be made by vs, our heires or successors, vnder our or their signet or privy seal, or by the lord<sup>e</sup> and others of our or their Privy Councill, or any six or more of them, vnder their hand<sup>e</sup>, these our Letters Patents shall forthwith cease,  
35 determine, and be vtterly void, to all intents and purposes, any thing hereinbefore contained to the contrary notwithstanding; provided also, that these our Letters Patent, or any thing herein contained, shall not extend, or be construed to extend, to give priviledge vnto to the said John Theophilus Desaguliers, Daniel Niblett, and William Vreem, their or any of their exe-



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cutors, administrators, or assignes, or any of them, to vse or imitate any invencon or work whatsoever which hath heretofore been found out or invented by any other our subiects whatsoever, and publickly vsed or exercised within that part of our said kingdom of Great Britain called England, our dominion of Wales, or town of Berwick-vpon-Tweed, vnto whom like Letters Patent<sup>e</sup> 5 and priuiledges have been already granted for the sole vse, exercise, and benefit thereof, it being our will and pleasure that the said John Theophilus Desaguliers, Daniel Niblett, and William Vreem, their and every of their executors, administrators, or assignes, and all and every other person or persons to whom like Letters Patents or priuiledges have been already granted 10 as aforesaid, shall distinctly vse and practise their several inventions by them invented and found out, according to the true intent and meaning of the same respective Letters Patents, and of these present<sup>e</sup>. And, lastly, wee do, by these p<sup>r</sup>sents, for vs, our heires and successors, grant vnto the said John Theophilus Desaguliers, Daniel Niblett, and William Vreem, their and every 15 of their executors, administrators, and assignes, that these our Letters Patent, or the inrollment thereof, shall be in and by all thing<sup>e</sup> good, firm, valid, sufficient, and effectual in the law, according to the intent and meaning thereof, and shall be taken, construed, and adiudged in the most favourable and beneficial sense for the best advantage of the said John Theophilus Des- 20 guliers, Daniel Niblett, and William Vreem, their and every of their executors, administrators, and assignes, as well in all courts of record<sup>e</sup> as elsewhere, and by all and singular the officers and ministers whatsoever of vs, our heires and successors, within that part of our said kingdom of Great Britain called England, our dominion of Wales, and town of Berwick-vpon-Tweed, and 25 amongst all and every the subiects of vs, our heires and successors, whatsoever and wheresoever, notwithstanding the not full and certain describing the nature or quality of the said Invention, or of the materials thereto conducing or belonging.

In witness, &c. Witness our selfe, at Westminster, the Twenty-fifth 30 day of June.

By Writt of Privy Seal.

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